

## **IN THE ABSTRACT:**

Please replace the Abstract with the following amended abstract:

In a system, a server provides a digital signal processing function  $f$  to an executing device in an obfuscated form. The function  $f$  includes a function cascade of signal processing functions  $f_i$ ,  $1 \leq i \leq N$  (e.g.,  $FC_1(x) \equiv f_N \circ \dots \circ f_1(x)$ ). The server includes a processor for selecting a set of  $2N$  invertible permutations  $p_i$ ,  $1 \leq i \leq 2N$ ; calculating a set of  $N$  functions  $g_i$ , where  $g_i$  is functionally equivalent to  $p_{2i}^{-1} \circ f_i \circ p_{2i-1}$ , for  $1 \leq i \leq N$ ; and calculating a set of  $N-1$  functions  $h_i$ , where  $h_i$  is functionally equivalent to  $p_{2i-1}^{-1} \circ p_{2i-2}$ , for  $2 \leq i \leq N$ . The server equips the executing device with an execution device function cascade that includes  $y_N \circ h_N \circ y_{N-1} \circ h_{N-1} \circ \dots \circ y_1$ , where  $y_1, \dots, y_N$  are function parameters (e.g.,  $ED_1(y_1, \dots, y_N) \equiv y_N \circ h_N \circ y_{N-1} \circ h_{N-1} \circ \dots \circ y_1$ ), and provides the functions  $g_1, \dots, g_N$  to the executing device. The executing device obtains the functions  $g_1, \dots, g_N$  and a processor for loading the execution device function cascade and applying the loaded execution device function cascade to the functions  $g_1, \dots, g_N$  (e.g.,  $ED_1(g_1, \dots, g_N)$ ).